

Abstract

5 Provided is a five sensory data synchronizing and
transmitting apparatus and method, and an actual-feeling
multimedia data providing system and method using the same.
The five sensory data synchronizing and transmitting
apparatus and method forms packets by describing vibration,
an odor and a taste expressed in video/audio based on
touch, odor and taste data descriptors and synchronizes the
10 touch/odor/taste packets with video/audio packets on a
frame basis; and then, the actual-feeling multimedia data
providing system and method demultiplexes the received
packets transmitted from the five sensory data
synchronizing and transmitting apparatus into video data,
15 audio data, touch data, odor data and taste data and
transmits them to corresponding devices to thereby provide
a user with an actual-feeling multimedia service.